SLR Systems

DSD80

DEBUGGING PROGRAM

HIGH PERFORMANCE SOFTWARE

DSD80 by Soft Advances is the single best debugging program for 8080, 8085 and Z80 microcomputers running CP/M and compatible operating systems. We dare you to find a debugger that even comes close.

Compare:

If you don't edit with a line oriented editor anymore, why debug with one? DSD80's **Full Screen Display** keeps you informed with instruction, register, stack and two memory displays. Of course, all displays make good use of symbols and the memory displays can use highlighting to show you precisely where the registers point.

Why learn new names for old commands? **DDT Compatibility** means you can take DSD80 out of the box and be using it in less than a minute. When you do open the manual you will find it complete and easy to understand with plenty of examples.

The **Software In-Circuit-Emulator** provides many of the capabilities of much more expensive hardware I.C.E.s with no wire to connect. You can single step or breakpoint in ROM; write protect RAM; set code execute only; protect the stack from overflows; catch illegal instructions and watch memory locations or registers. The emulator can do some things that even hardware I.C.E.s can't do like breakpoint on arbitrary conditions or identify when a LDIR instruction is going to write over protected locations before it starts.

DSD80 provides complete support for **symbol files** as generated by all of the popular languages. In addition, you can enter and delete new symbol definitions on the spot. Also, DSD80 works just fine with BIG symbol files.

Which mnemonics do you prefer with your Z80 debugger? DSD80 is the only full screen debugger to offer **both extended Intel and Zilog mnemonics.**

Below is a snapshot of DSD80's primary screen:

```
 04D1 RANDOM+A     call 04D6 SAMPLE          Flags  Z     C      Stack
 04D4 RANDOM+D     ld l,a                    A  24 '$'            04CA RANDOM+3
 04D5 RANDOM+E     ret                       BC 0015 DSSOS+5      0173 ALLOC1+18
$04D6 SAMPLE       ld a,r                    DE E6F8
 04D8 SAMPLE+2     ret                       HL 07A0 LASTLOC+15
 04D9 DSB          ld bc,FFFA DSBL+2         SP 00FC DSSOS+EC
 04DC DSB+3        add hl,bc                 PC 04D6 SAMPLE
 04DD DSB+4        ld a,(hl)
 04DE DSB+5        inc hl                    IX  0000
 04DF DSB+6        ld l,(hl)                 IY  0000
 04E0 DSB+7        ld h,a

 0280 BCHECKB+5    33322061 64647265 73732061 626F7665 32 address above
 0290 BCHECKB+15   20757070 65722062 6F756E64 732E2024  upper bounds. $
 02A0 BYTES        11A602C3 BF042062 79746573 24113F03 ...... bytes$.?.
 02B0 CHECK+3      CDBF0421 8B07CD74 06DA4A04 115103CD ...!...t..J..Q..

 077B HEADER       00000000 0000078B 8000078B 00000000 ................
 078B LIST         00000000 00000000 00800007 B0800007 ................
 079B LASTLOC+10   B0000000 00000000 00000007 A0000007 ................
 07AB LASTLOC+20   A000009D 40000000 00000000 00000000 ....@............

                                                       DSD80 by Soft Advances
DSD80>
```

Other features of DSD80 which will interest you include:

- On line help
- Save memory into a file
- Single step over subroutines
- Configurable to use any RST as breakpoint
- String searching in either exact or case insensitive mode
- Port I/O
- "Watch me run" mode
- View disk files
- Less than 16k of memory

DSD80 is the perfect complement to SLR's development tools. We use DSD80 here and are proud to have it as part of our product line.

Here are some comments from users of DSD80:

"We think your program is great."

"The new features have got my salivary glands running at flood stage. Send it! Send it!"

"With the little time I have taken to look at DSD, I am convinced that it's a GREAT product! I wish I had the time and energy to write these kinds of things - but there is usually someone like yourself out there anticipating my needs perfectly!"

"Why do people keep comparing DSD80 with TURBO Pascal?? The answer is simply that they're both grreat!"

"Both the documentation and program performance look super! . . . I do appreciate your work in this software area."

". . . the operation of DSD so far has been without flaw. You really have designed a great product."

The April issue of the Oracle of ZEUS has this to say about DSD80:

"It is a work of surpassing excellence, an absolute tour de force. I cannot praise this program highly enough."

"DSD is one of the 3 best programs I've ever seen. The first is TURBO Pascal which I reviewed in the Oracle and urged you to buy. DSD is the second, if you need a debugger you won't do better. If you seriously want to learn assembly language you shouldn't sit down without it. It will save you time, lots and lots of time."

For additional information on our complete family of development tools, call or write:

SLR Systems

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